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## Waste Site Reclassification Form

<b>Date Submitted:</b> 8/27/1999	<b>Operable Unit(s):</b> 200-CW-5	<b>Control Number:</b> 99-063
<b>Originator:</b> B. H. Ford	<b>Waste Site ID:</b> UPR-200-W-104	
<b>Phone:</b> 372-9176	<b>Type of Reclassification Action:</b> Rejected <input checked="" type="radio"/> Closed-Out <input type="radio"/> No Action <input type="radio"/>	

This form documents agreement among the parties listed below authorizing classification of the subject unit as rejected, closed-out, or no action and authorizing backfill of the site, if appropriate. Final removal from the NPL of no action or closed-out sites will occur at a future date.

**Description of current waste site condition:**

The site is historically identified as an unplanned release. The site is posted with "Underground Radioactive Material" warning signs. The leach trenches were stabilized along with the 216-U-10 Pond. The AC-540 markers at the ends of the trenches are labeled 216-U-10 and URM. (The trench was designed to intentionally receive overflow from the pond. The water that filled the trench was not an "Unplanned Release". Engineered structures were typically assigned a number from historical Hanford waste site naming conventions. Since trenches like this one did not match any of the usual site name choices, they were given UPR numbers for lack of a better choice.)

**RECEIVED**  
APR 21 2000**EDMC****Basis for reclassification:**

This site is fully contained within the boundary of the 216-U-10 Pond and will be dispositioned with 216-U-10 Pond.

<u>BRYAN L FOLEY</u> DOE Project Manager	<u>Bryan L Foley</u> Signature	<u>1/26/00</u> Date
<u>Douglas R. Sherwood</u> EPA Project Manager	<u>Douglas R. Sherwood</u> Signature	<u>1/25/00</u> Date

# Waste Information Data System

## General Summary Report

11/23/1999

Site Code:	UPR-200-W-104	Site Classification:	Accepted	Page 1
Site Names:	UPR-200-W-104, UN-216-W-14, 216-U-10 Pond Leach Trench, U Pond Fingers			
Site Type:	Unplanned Release	Start Date:		
Status:	Inactive	End Date:		
Operable Unit:	200-CW-5	Coordinates:		
Hanford Area:	200W	(E)	0	
		(N)	0	
		Washington State Plane		
Site Description:	The site is historically identified as an unplanned release. The site is posted with "Underground Radioactive Material" warning signs. The leach trenches were stabilized along with the 216-U-10 Pond. The AC-540 markers at the ends of the trenches are labeled 216-U-10 and URM.			
	This site has been consolidated with the 216-U-10 Pond.			
Location Description:	The release site runs northwest from the northeast corner of the 216-U-10 Pond.			
Process Description:	The trench was dug to provide additional leaching area for 216-U-10 Pond overflow water.			
Associated Structures:	UPR-200-W-104 was associated with the 216-U-10 Pond.			
Site Comment:	The trench was designed to intentionally receive overflow from the pond. The water that filled the trench was not an "Unplanned Release". Engineered structures were typically assigned a number from historical Hanford waste site naming conventions. Since trenches like this one did not match any of the usual site name choices, they were given UPR numbers for lack of a better choice.			
	In 1978 the bottom of the trench was surveyed with a GM and P-11 probe. The average contamination level was 2,000 counts per minute. Soil samples were also collected from the trench bottom in 1978. The east end of the trench showed 1870 picocuries per gram (pCi/g) of cesium-137. The middle of the trench had 324 picocuries per gram (pCi/g) of cesium-137 and 1670 picocuries per gram (pCi/g) of americium-241. The west end of the ditch had 275 picocuries per gram (pCi/g) of cesium-137 and 28,000 picocuries per gram (pCi/g) of americium-241. Lower levels of strontium-90, cerium-144 and potassium-40 were also identified.			
Cleanup Activities:	The trench was backfilled and surface stabilized in 1985, along with the 216-U-10 Pond.			
Environmental Monitoring Description:	A surface radiological survey is done annually on the backfilled trench. A 1978 survey found Geiger-Mueller readings in the bottom of the trench were generally 2,000 counts per minute. Analyses of soil samples taken at the same time detected potassium-40, strontium-89, strontium-90, cerium-144, europium-155, americium-241, and cesium-137 on the ground surface of the bottom of the trench.			
Access Requirements:	Hazardous Waste Training Rad Worker II Training			
References:	1. H. L. Maxfield, 4/1/79, Handbook - 200 Area Waste Sites (Volumes 1, 2 and 3), RHO-CD-673. 2. R. L. Morton, 8/80, Current Status of Outdoor Radiation Areas in the 200 Areas, RHO-CD-1048. 3. R. D. Stenner, K. H. Cramer, D. A. Lamar, 10/88, Hazard Ranking System Evaluation of CERCLA Inactive Waste Sites at Hanford, PNL-6456 Vol 1,2,3. 4. T. M. Wintczak, 5/20/92, Federal Facility Agreement and Consent Order Change Control Form - Change to 200-UP-2 Work Plan scope and M-12-15 interim milestones data. (TPA), M-12-92-1. 5. S.M. McKinney, 12/06/94, Status of Outdoor Radiological Contamination at the Hanford Site, WHC-SP-1149. 6. Deford, D.H., R.W. Carpenter, May 1995, U-Plant Aggregate Area Management Study Technical Baseline Report, BHI-00174. 7. Markes, B.M., S.M. McKinney, 12/15/95, Routine Environmental Monitoring Schedule, Calendar Year 1996, WHC-SP-0088-7. 8. CR Webb, 5-25-99, Telephone Conversation with WM Hayward related to Stabilization Dates of the U Pond Fingers.			

### Dimensions:

Site Code: UPR-200-W-104

Site Classification: Accepted

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Length: 176.78 Meters 580.00 Feet  
Width: 12.19 Meters 40.00 Feet  
Depth / Height: 3.05 Meters 10.00 Feet

References: 1. H. L. Maxfield, 4/1/79, Handbook - 200 Area Waste Sites (Volumes 1, 2 and 3), RHO-CD-673.

**Regulatory Information:**

**Programmatic Responsibility**

DOE Program: EM-40 Confirmed By Program: Yes  
DOE Division: RPD - Restoration Projects Division  
Responsible Contractor/Subcontractor: BHI - Bechtel Hanford, Inc.

**Site Evaluation**

Solid Waste Management Unit: No  
TPA Waste Management Unit Type: Unplanned Release Unit

**This Site Was Consolidated With:**

216-U-10, U Swamp, 216-U-1, 216-U-10 Pond, 231 Swamp

Reason: Within Boundary Of Larger Site

**Permitting**

RCRA Part A Permit:	No	216/218 Permit:	No
RCRA Part B Permit:	No	NPDES:	No
Closure Plan:	No	State Waste Discharge Permit:	No
TSD Number:		Septic Permit:	No
Air Operating Permit:	No	Inert Landfill:	No
Air Operating Permit Number(s):			

**Tri-Party Agreement**

Lead Regulatory Agency: EPA  
Unit Category: CERCLA Past Practice (CPP)  
TPA Appendix: C

**Remediation and Closure**

Decision Document:  
Decision Document Status:  
Remediation Design Group:  
Closure Document:  
Closure Type:

Post Closure Requirements:

**Residual Waste:**

**Waste Information:**

Type: Process Effluent  
Category: Mixed

**Physical State:** Liquid

**Waste Obscured:** Soil Overburden

**Description:** A trench was dug to give additional leaching surface for overflow water from the 216-U-10 Pond. There is low-level, beta/gamma and alpha activity in the bottom of the leach trench. Contaminants of concern include cesium-137, americium-241, cerium-144 and potassium-40.

**References:** 1. H. L. Maxfield, 4/1/79, Handbook - 200 Area Waste Sites (Volumes 1, 2 and 3), RHO-CD-873.  
2. R. D. Stenner, K. H. Cramer, D. A. Lamar, 10/88, Hazard Ranking System Evaluation of CERCLA Inactive Waste Sites at Hanford, PNL-6456 Vol 1,2,3.

**Field Work:**

**Type:** Site Walkdown

**Begin Date:** 07/30/1999 **Field Crew:** CR Webb

**End Date:** 07/30/1999

**Purpose:** verification

**Comment:** The leach trenches were stabilized along with the 216-U-10 Pond. The AC-540 markers at the ends of the trenches are labeled 216-U-10 and URM.

**Site Cover:**

**Site Accessible:** Yes **Site Found:** Yes

**Soil Discoloration:** No **Debris Visible:** No

**Vegetation Type:** Bunchgrasses

**References:** 1. C. R. Webb, Field Logbook assigned to Christine Webb, EL-1255 and EL-1255-1.

**Images:**

**Date Taken:** 7/30/99

**Pathname:** \\bh1002\esd-img\200W\1417\1417\_01.JPG

**Description:** Photo shows the stabilized leach trenches at 216-U-10 Pond. The UPR is not separately marked or posted.

**Date Taken:** 7/30/99

**Pathname:** \\bh1002\esd-img\200W\1417\1417\_02.JPG

**Description:** Photo shows the stabilized leach trenches at 216-U-10 Pond. The UPR is not separately marked or posted.